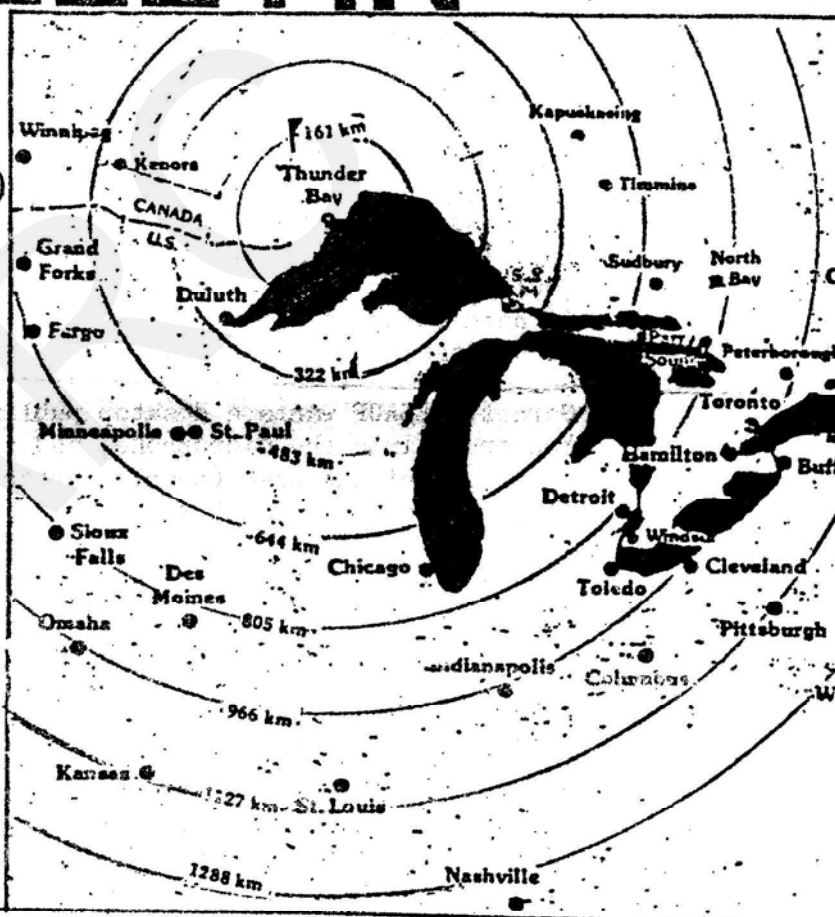


# HI-Q

DEC -- 1986

## LAKEHEAD AMATEUR RADIO CLUB BULLETIN



### REPEATERS

TBR 146.82

YQT 147.06

FOUNDED 1934

### CLUB STATION

VE3FW

INCORPORATED 1979

THE NEXT MEETING OF THE L.A.R.C. WILL BE THURSDAY DECEMBER 11, 1986.

MERRY CHRISTMAS TO ALL

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### Dirty Laundry

Ed, VE3KRP has a new "Lotto Ambulance" parked in his driveway with every conceivable spare ornament (except a vacuum cleaner on the roof - hihi). Lindo NHX won't be washing his hand for a while ( a LONG while, and no, its NOT what you think!). Tom CX has a new chariot to tool around in. VE/TBA (eh?) has been heard signing up members on TBR. James JSC has finally found his 'Tunder Ties", and is looking for a certain option(s) for his pick-up truck...capper..etc. Bob NHN is a busy boy ( tried to get a mile  
1 out of his Stanley, but came up short.

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### Christmas Wish List

Dear Santa

We have all been good boys and girls this year (if you believe that I have some swamp land to talk to you about), and we would all like a few toys for Christmas. Please try your best, as it is hard to be good for a WHOLE year..besides, you disappointed some of us last year, so here is your chance to make up for it.

Garnet, VE3AUP wants a desktop publishing system with voice input. You speak into the microphone, and a completed HI-Q rolls off the other end of the desk (complete with stamp and colour photos) straight into the mailbox.

Lindo, VE3NHX wants something dark and furry.. I can tell you no more, but I think you konw what I mean.

Coral and Gary, VE3PHR and CK want some more harmonics (but no TVI) along with 40 acres in the country, (but close to town), a Signal One, a BIG BLACK BOX, a ROOLS... need I say more??

Tom, VE3CX wants (what else)... a CRAY 2 Super Computer, along with a few terabytes of memory.. (I thought I would ask..), along with something warm and inviting...

Ed, VE3KRP wants only one thing, which everyone will knows, so I don't think I have to remind you. (P.S. "there are other things in life besides sex, but I have not the foggiest clue as to what they could be"). How's that for a clue??

Skip, VE3BBS would like a fold over tower, and some copper wire that stretches, and a chainsaw, and a treefarmer...

John, VE3OTI needs (not wants, NEEDS) a new tape measure, made of rubber. Tht way, when he reaches the end of the tape, he can keep on going, and wont have to worry about breaking it.

Rich, VE3OPI got half of his Christmas present already.. he doesn't have to run off HI-Q any more, and his second wish is to have it back again!!

Les, VE3JAJ had his present knock on his door, but he told her it was the wrong address!!! (Sorry Les, you had your chance)

Pat, VE3PHU wants what everyone needs ( a RF invisible vehicle, and a small frame to hang some wallpaper up on the wall.)

Arnold, VE3JAA wants a mobile home in Florida, and a mansion in Winnipeg. P.S. How about your elves working overtime on this one... Please.

So with that Santa, that should give you a few hints for what to bring us this year.

P.S. all presents are gratefully accepted!

Signed - the boys and girls of the LARC/TBARS.

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The Nov. 10 Executive Meeting, Minutes

Present - VE3BBS, VE3XT, VE3NHX, VE3JAU

The books were purchased

With respect to VE3YQT the tests indicate that an IF filter is needed  
Both committees to report their findings at a General Meeting.

Details of the dinner dance were discussed

The details of the Long Range committe were discussed.

The details of the Christmas messages were also discussed.

The Exec is still short one director.

The Nov 13, 1986 General Meeting Minutes

The meeting opened at 7:35 PM by Skip, VE3BBS

The round table followed

Correspondance was talbed by LEO, VE3XT

Clarification on the Long Range Planning Committee: M - LMB

SEC-ABS

Xmas Messages for the Senior Citizens- operation was described by  
Les Harris, VE3AYS. VE3PHK, JSC, EKC, LMV, DPJ, PHT, JQ, AML,  
and DJM volunteered.

ARES is dormant

VE3TBR had power failure due to a need for a new power supply, a  
report is to be forwarded in december.

Tickets are available for the annual dinner.

Planned is a social outing on mount baldy.

VE3BBS provided a Packet Radio demo VIA 2 meters

A slow code net is to proceed after the NWO net at 10 wpm. Net control  
is Bob VE3JAB. Fridays on 3.750 Mhz

There was a motion to membership dues and Delinquents considered  
by the Executive meeting.

VE3AYZ made a donation to the LARC

A donation was also recied ' from: amateur radio station VE3LMB

VE3JSC was appointed as the new director.

The 50/50 draw was not won and the total is to be added to the december draw.

73's Leo VE3XT

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VHF

An aurora prediction and propagation study is currently being carried out by Gary N0EQS of Wichita Kansas along with the Various "VE" stations including myself (VE3KRP). It would be greatly appreciated if any hams having visual sightings (please note date and time) of "Northern Lights" or working any stations VIA aurora also noting date and time, to please let me know so this can be reported back to Gary in Wichita. The last noted sighting Nov. 5/86 was predicted by Gary and confirmed by myself. Please take note that this activity is not restricted to the upper HF bands and that VHF and UHF bands are also included in this study. Thanks for any assistance you may offer.

73

Ed VE3KRP/VE3TBX/KA0PLN

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In Local Contest Action.

Bob, VE3JAB placed 9th in the 1986 Canada Day Contest.

Jim, VE3IY and his partner came 1st in North America in the single transmitter multi operator section in the 1985 CQ WW DX CW contest.

Stan, VE3KRN came second in North America in the 40 Meter section of the single operator portion of the 1985 CQ WW DX CW contest.

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The Saltmine Net

The Saltmine Net received a total of 340 checkins this month or in the month of November rather.

Also the Saltmine Net Athon has (according to the Big Ear) three very close contestants or Networkers.

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## Hams assist San Salvador Quake Survivors

A strong earthquake measuring 5.4 on the Richter scale (and seven or eight aftershocks) levelled portions of San Salvador in Central America. The tremor struck at mid-day on Friday, October 10th, and lasted only 10 seconds. Nearly 1,000 have been confirmed dead - thousands more homeless and injured. Over 150 were killed in one 10 story building alone.

The salvadoran quake was similar to the Mexico City earthquake a year ago, but weaker. Earthquakes are not new to Central America, as they have endured many. Five thousand were killed in neighboring Nicaragua in 1972; 23,000 in the 1976 Guatemalan quake.

The first word of the disaster came from San Salvador's Eduardo Recinos, YS1RN (who had an emergency generator) at 2:05 P.M. (Florida time) - only 16 minutes after the tremor hit. Fafeal Estevez, WA4ZZG, activated the Miami-based SIRA (Sociedad Interacional De Radio Aficionados, Inc.) 20 meter emergency network at 2:15 P.M. on 14.155 Mhz. It has been staffed around the clock since. There were other networks and amateurs assisting with welfare traffic, but probably 95% was passed via SIRA- almost all in Spanish.

The quake immediately cut off all utilities. San Salvadorans had no water, electricity or communications. Amateur radio became the major means of internal telecommunications. Two meter nets operated at the San Salvador airport. Active in San Salvador was YS1RN, YS1JEC, YS1AJ, YS1MGV, YS1PA and others. YS1RN was perhaps the most active and ran medical phone patches to the U.S. Diplomatic traffic was passed to Washington via ham radio. While there are many U.S. amateur radio stations willing to assist, a severe lack of YS stations exists.

Nearly every Miami radio and television station appeared at the SIRA net control station attempting to get the news first hand. Raphael said CNN (the Cable News Network) offered him \$35 per report. He gave the reports, but refused the money. Seven Salvadoran mayors touring the United States were able to talk back to their country thanks to SIRA.

Additional net frequencies were set up to help with the health and welfare traffic. SIRA has about 10 amateurs staffing the network at one time. Callers can get information about their loved ones via a special phone number (305-445-3737) located at SIRA. Lists of Victims were relayed to other U.S. cities known to have a substantial Salvadoran population. SIRA has "stacks" of inquiries from around the nation.

In an effort to improve communications. Raphael/WA4ZZG and six other U.S. amateur operators are now in San Salvador. They left Miami on Friday, October 18 - flown by a salvadoran charter airline at Salvadoran expense. They took HF gear with them. Unlike Mexico,

El Salvador has a reciprocal licencing arrangement with the United States allowing American amateurs to operate there with government approval. The objective is to establish a U.S. operated direct amateur radio link to San Salvador to reduce the more than 2,000 inquiries that SIRA has received about Salvadoran loved ones.

Amateur radio has made the media headlines once again. In times of Catastrophe, and when all else fails, the world turns to the ham radio operator.

#### WY5I Report

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#### Ravenscroft

As a result of the Jack Ravenscroft case, CRRL, CARF and some commercial users of the radio spectrum have expressed serious concern to the Electromagnetic Compatibility Committee of RABC, The Radio Advisory Board of Canada. Now, that committee has formed a special subcommittee chaired by a DOC engineer, to study the problem of RF susceptibility of non-radio electronic equipment. At its September meeting, the subcommittee unanimously supported an approach suggested by CRRL Director Ray Perrin, VE3FN. Ray would have DOC make a regulation that would require manufacturers of non-radio electronic to modify their equipment at no charge whenever it malfunctions in an RF field. The subcommittee also supported changing the Radio Act to allow the Minister of Communications to make such a regulation.

CRRL news Bulletin.

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#### Propagation

Cycle 21 continues to inch towards its demise. The Royal Observatory of Belgium, the world's official keeper of sunspot data, reports a monthly mean sunspot number of 18 for July 1986, daily counts varied between 0 and 36. This results in a smoothed sunspot number of 14 centered on January 1986. This is a drop of one unit in the solar cycle from the previous month's level. The 10.7 cm solar flux level for July, as reported by the Algonquin Radio Observatory in Ottawa, Canada, was 70.2. Daily values varied between 66.4 and 72.5.

A smoothed sunspot number of approximately 7 is forecast for November 1986.

Over the past 35 years these WW DX contests have sustained an accuracy greater than 90%. Much of this has been due to the excellent propagation data obtained during the contest periods and then fed back into the forecast procedures for subsequent contests.

CQ Magazine November 1986.



## In Highschool Amateur Radio Action

### Sir Winston Churchill

Churchills station VE3SWC is inactive at this moment due to machanical problems with the Beam. Operators VE3AUP (Garnet) and VE3LMT (Bob Hartley) have put off repairs until more favorable weather conditions arrise.

### Selkirk

The amateur radio station at this highschool is very operational and probably the most active station in the 29th district.

Apparently this station recieves most of its action from non-licenced students operating 20 SSB under the clubs license, but Dave VE3AVS often gives the station a CW workout on 40 m.

The Selkirk Station VE3SEC will be moving to Churchills VE3SWC station in the spring of 1988 as the result of a decision made by the board of Education.

### Hilcrest Highschool

Hilcrest is also quite active at the present time and has updated it's transceiver to a Kenwood TS 820 with the help of Station Sponser Frank VE3OTZ.

Frank VE3OTZ has been the main operator of the station in the past couple months but other licenced amatuers at the school include Jeff VE3PHT, and Jamie VE3PHN. Aswell rumour has it that hillcrest will turn out another licenced student amateur before the spring of 1987.

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### The Editor Sez

Not much has happend this month with respect to the L.A.R.C. as a club in a whole. Aparently there is to be some passing of christmas traffic for the Senior Radio Society, but the editor has not recieved coment on this topic as of yet.

Aparently there is some contraversy as to the existance of another club in the Thunder Bay Area. I can assure every one that (after speaking to the licency of the station) that LARC will remain both highly respected and supported.

A new repeater has been installed along with a beacon on top of John VE3OTI's tower under the call signs VE3TBU and VE3TEX. As far as the editor is aware there is very little action or use of either of these installments at the present but will both prove to be very beneficial to amateur radio in North Western Ontario in the future. Licensees of the equipment are Tom VE3CX and Ed

VE3KRP for the repeater and beacon respectively. The repeater is along with other reasons to promote activity on 440 Mhz;; so it looks as if there might be a need for IC-4aTs in the future hihi.

I would now like to thank all those people who donated or submitted articles fo this months HI-Q, your time is (as I am very sure of) greatly appreciated by all, and I hope I may look forward to future articles from you.

A special thanks is deserved by Richard and Les (VE3OPI and JAJ ) for their greatly appreciated assistance in straightening out the problem with the malfunctioning of the clubs typewriter. Technical problems regarding the typewriter has held up the printing of this months HI-Q, but should not happen for quite another while. A faulty gear in the shifting mechanism has now been replaced and with the help of a repair shop and Rich's mechanical expertise the maching is working fine once again. I also thank Rich's XYL, Marg for her offer in typing HI-Qe while the maching was in sick bay.

With regard to the code and theory courses the tough and determined are still hard at work and should be on HF in February. Frank VE3OTZ has been working with the students on their CW, using some very modern techniques that are quite interesting and effective. And teaching the Theory is Bill VE3LMV who seems to be putting in more than his share of time in preparing the students for their exams.

Frank VE3OTZ demonstated amateur Radio to a group of grade 8 students on the 4th of December. The demonstration was very impresive and was aided with the help of Jeff VE3PHT on .94 simplex and Skip VE3BBS on VE3TBR for the repeater demo. VE3SWC even managed to say hello to the class.

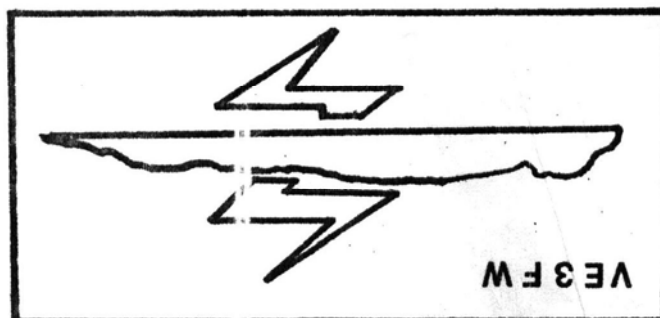
Hilcrest Highschool also showed the North Ward some model rocketry this month. The rocket launch was part of a Grade 13 Physics course which is also taught by VE3OTZ. Apparently the rockets were launched by remote control and community communications were provided on simplex by Jeff VE3PHT and John VE3PHL.

That just about wraps up this months HI-Q, but before saying GB I would like to wish all a very Merry Christmas and a Happy and Safe 1987.

T'll next month  
VY 73's Garnet VE3AUP



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FIRST CLASS

H1-(Q)